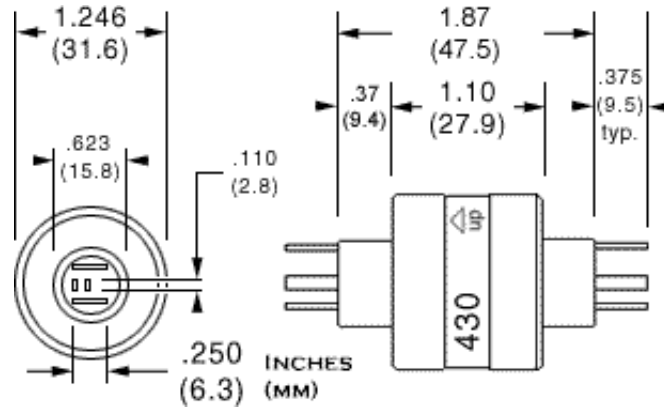


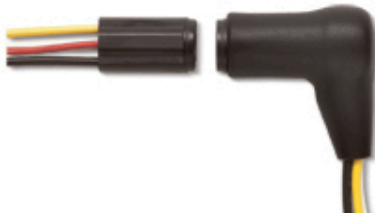
## Model 430 series



Mercotac 430 is the perfect solution for 4 wire applications thanks to its very compact size and affordable price; it's usually adopted where there's a need to connect simultaneously a thermocouple and a powering heater.

Model No.	Terminals	Voltage AC/DC	Amp Rating @240VAC	Max. Freq. MHz	Contact Resistance	Max. RPM	Temp Max. F (C) / Min. F (C)	Rotation Torque (gm-cm)	Circuit Separation
430	4	0-250	2@4/2@30	100	<1m $\Omega$	1200	140 (60) / -20(-29)	400	>25M $\Omega$
430-SS	4	0-250	2@4/2@30	100	<1m $\Omega$	1200	140 (60) / -20(-29)	400	>25M $\Omega$

## Model 430 Accessories



**50431**  
 Plug Assembly 12 In. wires  
 14 AWG & 18 AWG  
 Suitable for up to 20 Amps



**50430**  
 Plug Kit - No wires, terminals for wire gauges  
 20 - 16 AWG & 16 - 14 AWG  
 Suitable for up to 20 Amps  
 Also order 5030-T



**57430**  
[Boot Kit](#) for dust or splash protection  
 IP51



**55251**  
 Terminal 16 - 14 AWG  
 (qty. 2 Included)



**55110**  
 22 - 18 AWG (qty. 4 Included)



**55250**  
 16 - 14 AWG (qty. 2 Included)

## Model 430 Standard wire connections

Stationary end showing standard wire connections.



Wire connections, mounted inside rotating shaft.

Wires crimp to terminals.  
(suggested tool Thomas & Betts #WT112M)

## Model 430 Wire connections with optional boot kit

Stationary end showing optional boot kit.

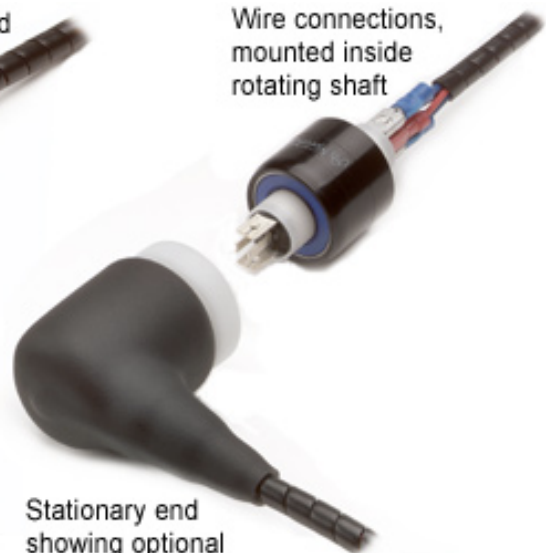


Cutaway view

Wire connections, mounted inside rotating shaft.

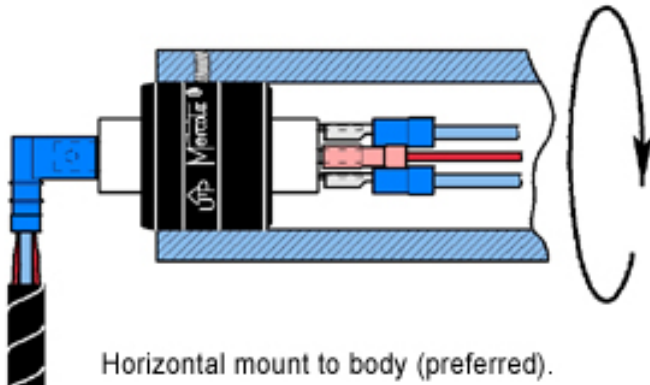


Wire connections, mounted inside rotating shaft.

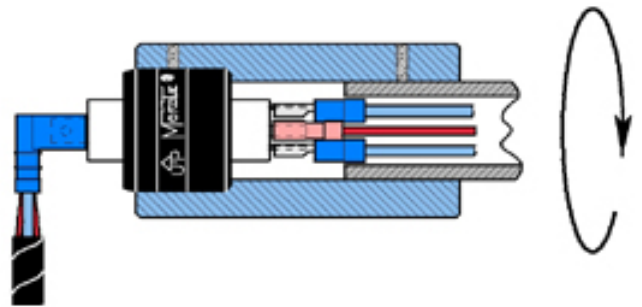


Stationary end showing optional boot kit.

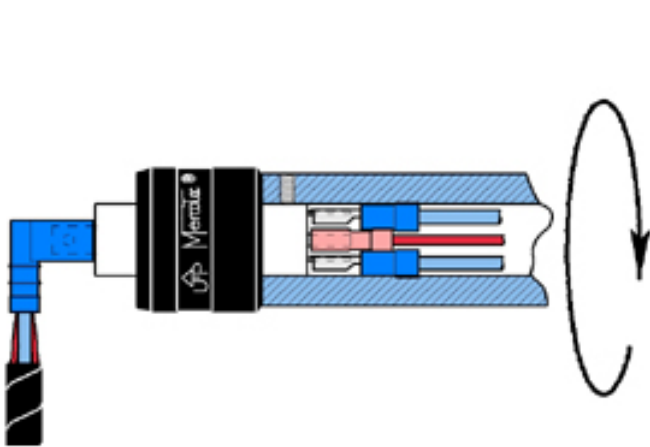
## Model 430 Suggested mounting methods



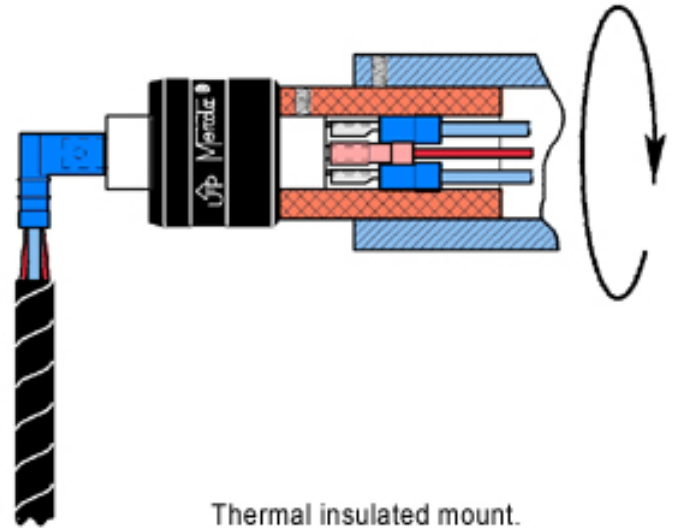
Horizontal mount to body (preferred).



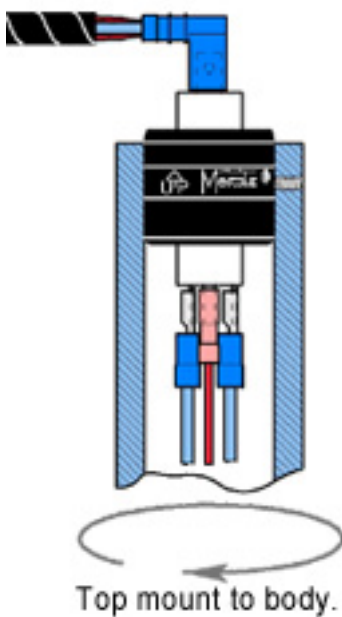
Adaptor mount (when shaft diameter is smaller than body of Mercotac).



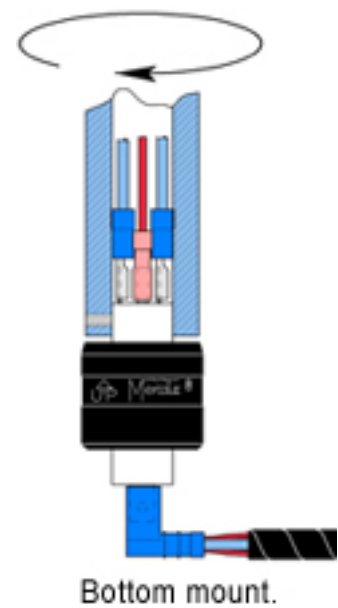
Horizontal mount to bushing (not preferred)  
(May be used if shaft cannot be fitted to body diameter).



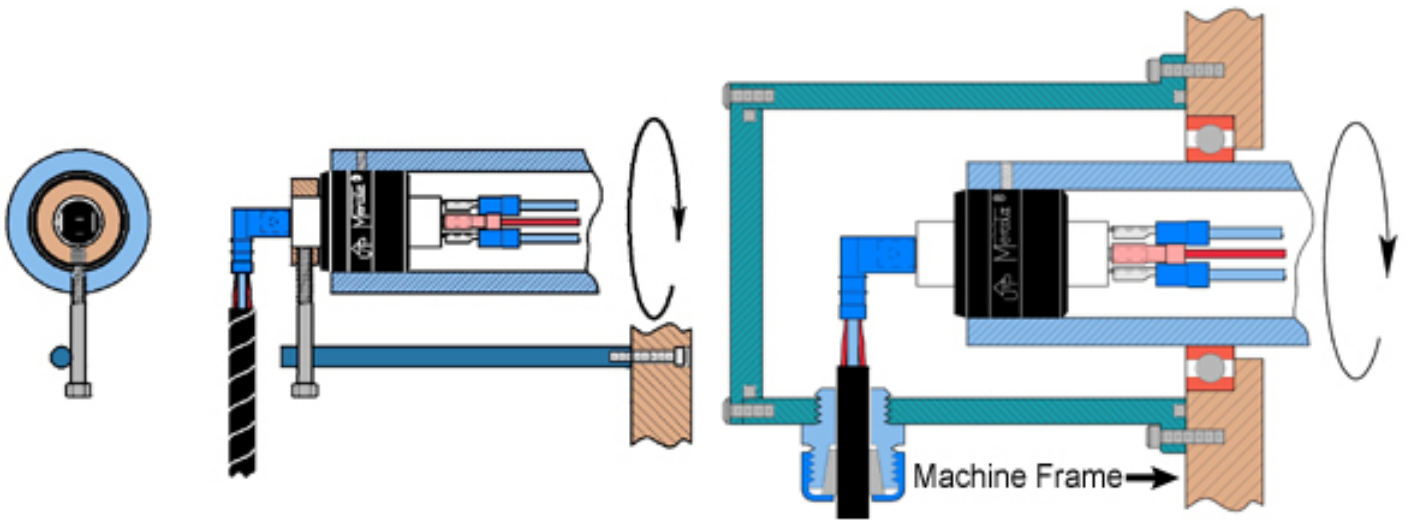
Thermal insulated mount.



Top mount to body.

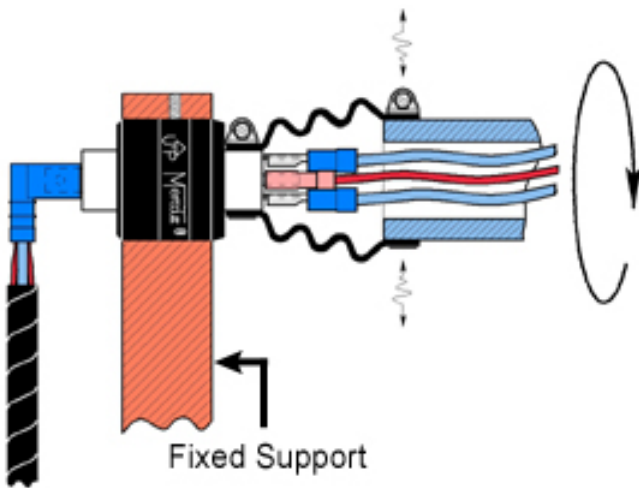


Bottom mount.

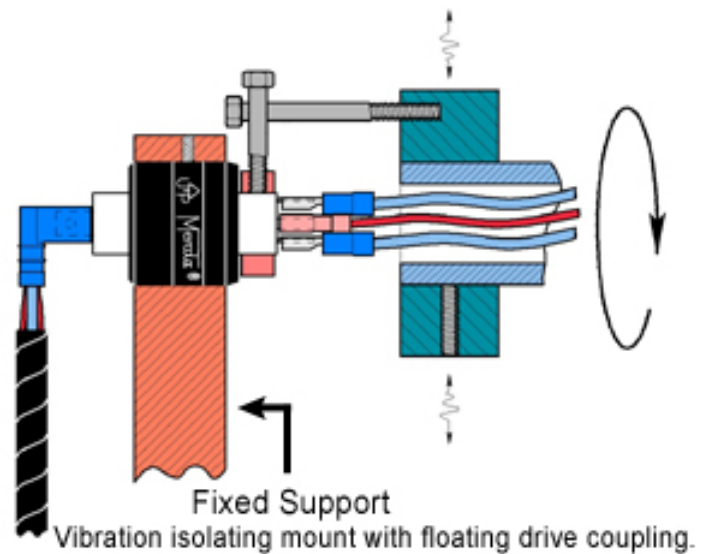


Floating torque arm mount.

Protective housing mount  
 (Recommended for wash-down or dirty environments.  
 Also recommended for food processing applications).



Vibration isolating mount with flexible bellows.



Vibration isolating mount with floating drive coupling.

## Model 430 Installation notes

- the up arrow should not point below horizontal
- do not solder to or bend connector tabs
- avoid lateral forces and mechanical loads (overly stiff or tight wires)
- do not rigid mount both ends of connector
- limit mounting eccentricity (runout / wobble) to .005" (.13mm)
- provide overload protection within the circuit
- avoid vibration and bumping motions